Recombinant Human UPP1 Protein (His Tag)

Catalog Number: PKSH033197

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

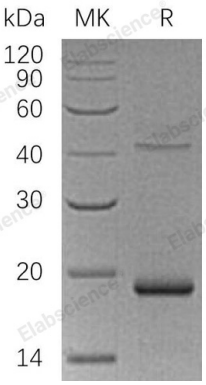
Description

Species	Human
Mol_Mass	21.3 kDa
Accession	Q86Y75
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, 1mM DTT, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Uridinephosphorylase 1 (UPP1) is a member of the family of pentosyltransferase. UPP1 catalyses the reversible phosphorolysis of uridine to uracil. The expression levels and the enzymatic activity of UPP1 are higher in human solid tumors than in adjacent normal tissues. The high level of UPP1 expression in some tumors makes it a potential prognosticfactor for some cancers, such as oral squamous cell carcinoma. UPP1 is important for the homeostatic regulation of intracellular and plasma uridine concentratios. UPP1 plays an important role in the pyrimidine salvage pathway through its catalysis of the reversible phosphorolysis of uridine to uracil.

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